

MSDSYDDRMK	DHDMDERAPI	DPAPFSLSDL	KKAIPAHCFR	RSAVWSSCYV
VQDLIITFLL	YTVANTYIPH	LPPPLVYLAW	PVYWFCOSCI	LTGLWVLGHE
CGHHAFSEYQ	WIDNAVGFVL	HSALLTPYFS	WKYSHRKHHA	NTNSLENEEV
YIPRTQSOLR	TYSTYEFLDN	TPGRILILVI	MLTLGFPLYL	LTNVSGKKYD
RFTNHFDPLS	PIFTERERIQ	VALSDLGIVA	VFYGLKFLVQ	TKGFGWVMCM
YGVPVIGLNS	FIIIVITYLHH	THLSSPHYDS	TEWNWIKGAL	TTIDRDFGLL
NRVFHDVTHT	HVLHHLFPYI	PHYHAKEASE	AIKPILGDYR	MIDRTPFFKA
MWREAKECIY	IEQDADSKHK	GTYWYHKM		

Figure 2

Stokesia	1				50
Vernonia	~~~~~	~~~~~	GTAGGTTTGG	GGTGTCGGTG	AGATCAGTGT
Crepis	TTATGAAAGC	TCGATCGGTG	TTCGATCAAT	TCAAATCGAC	GAACACGAAA
	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
Stokesia	51				100
Vernonia	TCGACCGAAA	TCCAACGCAT	TTTCTAATTT	GGATTTCAGA	AATCTGGGAG
Crepis	TCGAAC TCAA	CAATTCAAAT	CTGGAAATAT	TAATTGGATC	AAGCGGGCGG
	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~gagaag
Stokesia	101				150
Vernonia	AAGGTAGCAG	AATGTCGGAT	TCATATGATG	ATC.....GAATG
Crepis	A...TATGAT	GATGTCGGAT	TCATGTGATG	ATCATGATCA	GCTGGTGAAA
	ttgaccataa	atcattttatc	aacatgggtg	ccggcgggtcg	tggtcggaca
Stokesia	151				200
Vernonia	AAAGATCATG	ATATGGACGA	ACGAGCCCCG	ATTGATCCGG	CGCCATTCTC
Crepis	GATGATCATA	ATATAAACGA	ACGTGCACCG	GTTGATGCGG	CACCATTCTC
	tcggaaaaat	cggtcatgga	acgtgtctca	gttgatccag	taaccttctc
Stokesia	201				250
Vernonia	GTTAAGTGAT	CTAAAGAAAG	CAATCCCTGC	ACATTGCTTC	CGGCGATCCG
Crepis	GTTAAGCGAT	CTAAAGAAAG	CAATCCCTCC	GCATTGCTTC	CAGCGATCTG
	actgagtga	ttgaagcaag	caatccctcc	ccattgcttc	cagagatctg
Stokesia	251				300
Vernonia	CCGTCTGGTC	ATCCTGCTAC	GTAGTTCAGG	ATCTCATTAT	CACCTTCCTT
Crepis	CCATCCGTTT	ATCGTGCTAC	GTTGTTTCAGG	ATCTCATTAT	TACCTTCCTT
	taatccgctc	atcttactat	gttgttcaag	atctcattat	tgcttacatc
Stokesia	301				350
Vernonia	TTATACACGG	TCGCCAACAC	CTACATTCCCT	CACCTCCCTC	CTCCTCTAGT
Crepis	TTATACACGC	TCGCCAACTC	TTACATTCCCT	CTTCTTCCTC	CTCCTCTACC
	ttctacttcc	ttgccaacac	atatatccct	actcttccta	ctagtctagc
Stokesia	351				400
Vernonia	TTACTTAGCA	TGGCCGGTTT	ACTGGTTTTG	CCAATCTTGC	ATCCTCACTG
Crepis	TTACTTAGCA	TGGCCTGTTT	ACTGGTTTTG	CCAATCTTCG	ATCCTCACTG
	ctacttagct	tggcccgttt	actggttctg	tcaagctagc	gtcctcactg
Stokesia	401				450
Vernonia	GTTTATGGGT	CCTCGGCCAT	GAATGCGGCC	ATCATGCCTT	TAGTGAGTAC
Crepis	GTTTATGGGT	CATTGGCCAT	GAATGTGGCC	ATCATGCTTA	TAGTGAGTAC
	gcttatggat	cctcggccac	gaatgtggtc	accatgcctt	tagcaactac
Stokesia	451				500
Vernonia	CAGTGGATTG	ATAACGCCGT	TGGATTTCGTC	CTCCATTTCG	CTCTCCTCAC
Crepis	CAGTGGGTTG	ATAACACCGT	TGGATTTCATC	CTCCATTTCCT	TTCTTCTCAC
	acatggtttg	acgacactgt	gggcttcatc	ctccactcat	ttctcctcac
Stokesia	501				550
Vernonia	CCCTTACTTT	TCTTGGAAT	ACAGCCATCG	AAAGCACCAT	GCAAACACAA
	ACCTTACTTT	TCTTGGAAT	ACAGCCATCG	AAAGCACCAT	GCCAACACGA

Figure 3A

Crepis	cccgtatttc	tcttggaat	tcagtcaccg	gaatcaccat	tccaacacaa	
	551					600
Stokesia	ATTTACTCGA	AAACGAGGAA	GTTTACATTG	CTAGAACTCA	GTCCCAGCTC	
Vernonia	ATTTACTCGA	AAACGAGGAG	GTTTACATTG	CTAAAGCCAA	GTCCCAGCTC	
Crepis	gttcgattga	taacgatgaa	gtttacattc	cgaaaagcaa	gtccaaactc	
	601					650
Stokesia	AGGACTTACT	CCACATACGA	ATTTCTTGAC	AACACGCCTG	GTCGAATCCT	
Vernonia	AGGAATTACT	CCAATTTCAA	ATTTCTTGAC	AACACCCCTG	GTCGAATCCT	
Crepis	gcgcgt....	..atctataa	acttcttaac	aaccacactg	gtcggctggt	
	651					700
Stokesia	CATCTTGGTC	ATCATGTTAA	CCTTAGGATT	TCCTTTATAC	CTCTTAACGA	
Vernonia	CATTTTGCTT	ATCATGTTGA	CCTTGGGCTT	TCCTTTATAC	CTCTTGACCA	
Crepis	ggttttgatt	atcatgttca	ccctaggatt	tcctttatac	ctcttgacaa	
	701					750
Stokesia	ATGTTTCAGG	CAAGAAGTAC	GATAGATTTA	CCAACCACTT	TGATCCATTG	
Vernonia	ATATTTTCAGG	CAAGAAATAC	CAAAGGTTTG	CCAACCACTT	TGATCCGTTG	
Crepis	atattttccg	caagaaatac	gacaggtttg	ccaaccactt	cgaccccatg	
	751					800
Stokesia	AGCCCGATCT	TCACCGAGCG	TGAGCGAATC	CAGGTTGCGT	TATCAGATCT	
Vernonia	AGCCCCATCT	TCAGTGAGCG	TGAACGAATC	CAGGTCGTGC	TATCGGATGT	
Crepis	agtccaattt	tcaaagaacg	tgagcggttt	caggtcttcc	tttcggatct	
	801					850
Stokesia	TGGTATCGTT	GCAGTGTTTT	ACGGACTCAA	GTTTCTTGTA	CAAACAAAAG	
Vernonia	GGGTCTCATT	GCTGTGTTTT	ACGGGCTTAA	GTTTCTTGTA	GCGAAAAAAG	
Crepis	tggtcttctt	gccgtgtttt	atggaattaa	agttgctgta	gcaaataaag	
	851					900
Stokesia	GATTTGGTTG	GGTGATGTGC	ATGTATGGAG	TTCCAGTGAT	AGGTCTGAAT	
Vernonia	GGTTCGGTTG	GGTAATGCGC	ATGTACGGAG	CCCCAGTGGT	TGGGCTGAAT	
Crepis	gagctgcttg	ggtagcgtgc	atgtatggag	ttccggtatt	aggcgtattt	
	901					950
Stokesia	TCCTTCATTA	TCGTAATCAC	TTATCTGCAC	CACACACATC	TGTCGTCACC	
Vernonia	GCCTTCATAA	TAATGATCAC	TTATCTCCAC	CACACCCATC	TGTCTTCGCC	
Crepis	accttttttcg	atgtgatcac	cttcttgcac	cacacccatc	agtcgtcgcc	
	951					1000
Stokesia	CCATTACGAT	TCAACCGAAT	GGAACGGAT	CAAAGGAGCC	TTGACCACAA	
Vernonia	TCATTACGAT	TCGACCGAAT	GGAACGGAT	CAAAGGAGCC	TTGACTACAA	
Crepis	tcattatgat	tcaactgaat	ggaactggat	cagaggggcc	ttgtcagcaa	
	1001					1050
Stokesia	TCGACAGAGA	TTTCGGTCTC	CTGAATCGGG	TTTTCCACGA	CGTTACACAC	
Vernonia	TCGATAGAGA	TTTCGGTCTC	CTGAATAGGG	TGTTCCATGA	CGTCACTCAC	
Crepis	tcgataggga	ctttggattc	ctgaatagt	ttttccatga	tgttacacac	
	1051					1100
Stokesia	ACCCACGTGT	TGCACCATTT	GTTTCCCTAC	ATTCCACATT	ATCATGCAAA	
Vernonia	ACACACGTGT	TGCATCATTT	GTTCCCGTAC	ATTCCACATT	ATCATGCAAA	

Figure 3B

Crepis	actcatgtca	tgcatcattt	gttttcatac	attccacact	atcatgcaaa
	1101				1150
Stokesia	GGAGGCAAGC	GAGGCCATCA	AGCCAATCTT	GGGTGATTAC	AGGATGATCG
Vernonia	GGAGGCGAGC	GACGCAATAA	AGCCGGTGTT	AGGGGAGTAT	CGGATGATCG
Crepis	ggaggcaagg	gatgcaatca	agccaatctt	gggcgacttt	tatatgatcg
	1151				1200
Stokesia	ACAGGACTCC	ATTTTTCAAA	GCAATGTGGA	GAGAGGCCAA	GGAATGCATT
Vernonia	ATAGGACTCC	GTTTTACAAA	GCAATGTGGA	GAGAGGCGAA	GGAATGCATC
Crepis	acaggactcc	aatttttaaaa	gcaatgtgga	gagagggcag	ggagtgcattg
	1201				1250
Stokesia	TACATCGAGC	AAGATGCAGA	CAGCAAGCAC	AAAGGGACAT	ATTGGTACCA
Vernonia	TACATCGAGC	CAGATGAAGA	TAAGAAGCAC	AAAGGTGTAT	ATTGGTACCA
Crepis	tacatcgagc	ctgat.....	.agcaagctc	aaaggtgttt	attggtatca
	1251				1300
Stokesia	TAAAATGTAA	TCGATGATGG	AGTTTAGTTG	GAAATAATGA	CATGCAGCAT
Vernonia	TAAAATGTGA	TACGAGCTGA	GTACGTAGTA	CGTTGTATGC	TTTGTAACG
Crepis	taaattgtga	tcatatgcaa	aatgcacatg	cattttcaaa	ccctctagtt
	1301				1350
Stokesia	CCCTTTTGTA	TGCTTGAATC	GTTCTATTTT	TTTATATGTT	TTGTAAGATA
Vernonia	TTTTGTAAGA	TAAATAAATA	AATCTTGAAT	GAAGATAAAA	AAAAAAAAAA
Crepis	acgtttgttc	tatgtataat	aaaccgccgg	tccttttggtt	gactatgcct
	1351				1400
Stokesia	AATAAGTAAA	TCTTTGAGTG	AAGATGGGGA	GCAGGAAACA	AGCAGAATAT
Vernonia	AAAAAAAAAA	AAAAAA~~~	~~~~~	~~~~~	~~~~~
Crepis	aagccaggcg	aaacagttaa	ataatatcgg	tatgatgtgt	aatgaaagta
	1401				1450
Stokesia	AATACGCTAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAA~~	~~~~~
Vernonia	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
Crepis	tgtggttgtc	tggttttgtt	gctatgaaag	aaagtatgtg	gttgtcggtc

Figure 3C

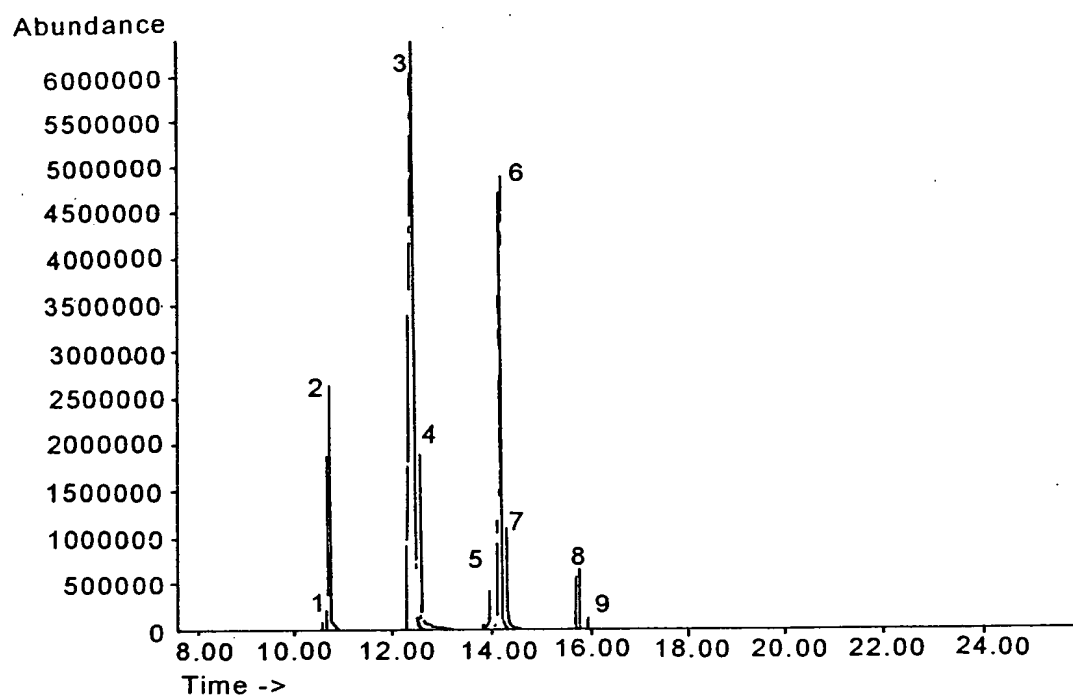


Figure 4A

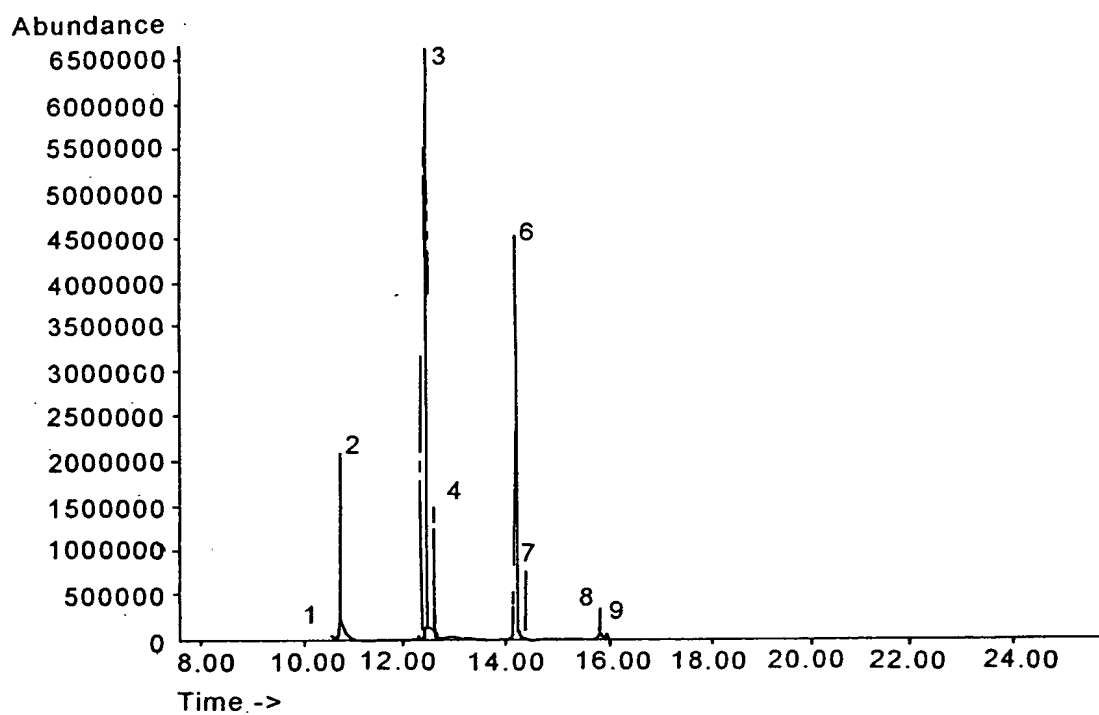


Figure 4B

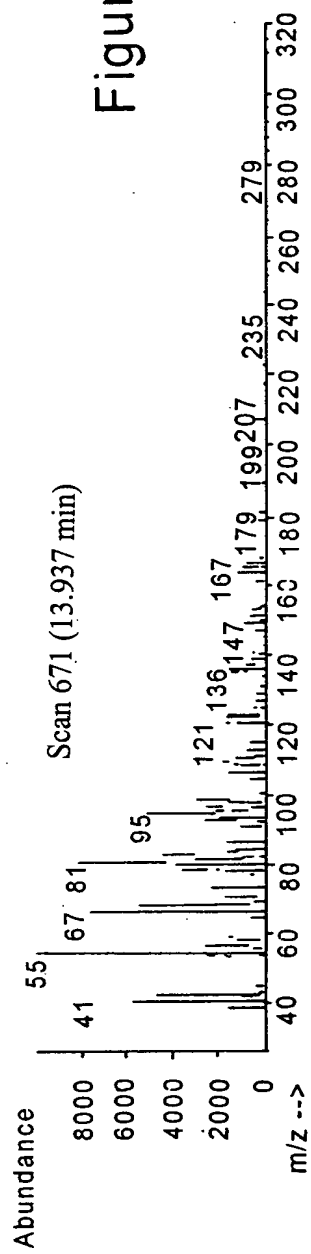


Figure 4C

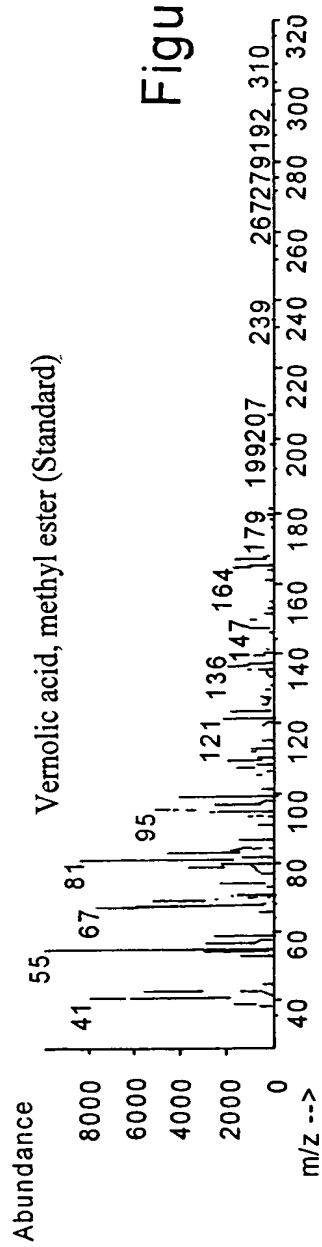


Figure 4D

RUN# 23 JUN 17, 1903 20:44:29

SAMPLE NAME: KESHUN SAMPLE# 5

RT	AREA	TYPE	WIDTH	AREA%
5.489	2422	PB	.100	.08095
6.640	2710	BV	.093	.09857
7.837	213917	BV	.101	7.14959
7.939	4303	VV	.977	.14382
9.161	1148278	PV	.217	38.37803
9.296	3801	VV	.068	.10030
10.115	329268	BV	.210	11.00461
10.693	859412	VV	.166	28.72348
10.855	4063	PV	.094	.13579
11.215	316476	VB	.095	10.57734
11.435	2001	PB	.077	.06688
11.848	13159	PV	.070	.43980
11.964	18519	VB	.103	.61895
12.384	1874	BB	.065	.06263
12.754	2144	BB	.067	.07166
13.670	14099	BB	.070	.47122
13.957	22166	PV	.075	.74084
14.535	10194	PB	.112	.34071
15.378	13162	PB	.072	.43990
16.184	3582	BV	.092	.11972
16.810	5476	PV	.078	.18302
16.988	1801	VB	.065	.06019

TOTAL AREA=2992019

MUL FACTOR=1.0000E+00

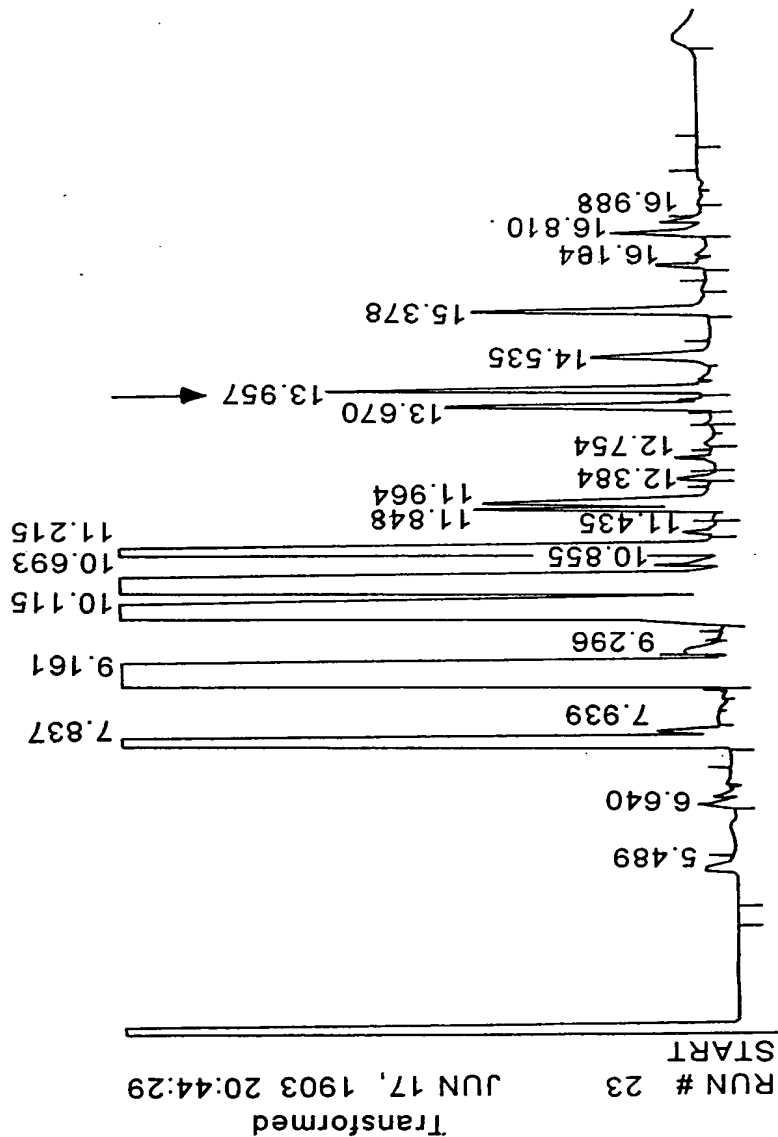


Figure 5A

RUN# 40 JUN 18, 1903 13:06:19

SAMPLE NAME: KESHUN
AREA% SAMPLE# 22

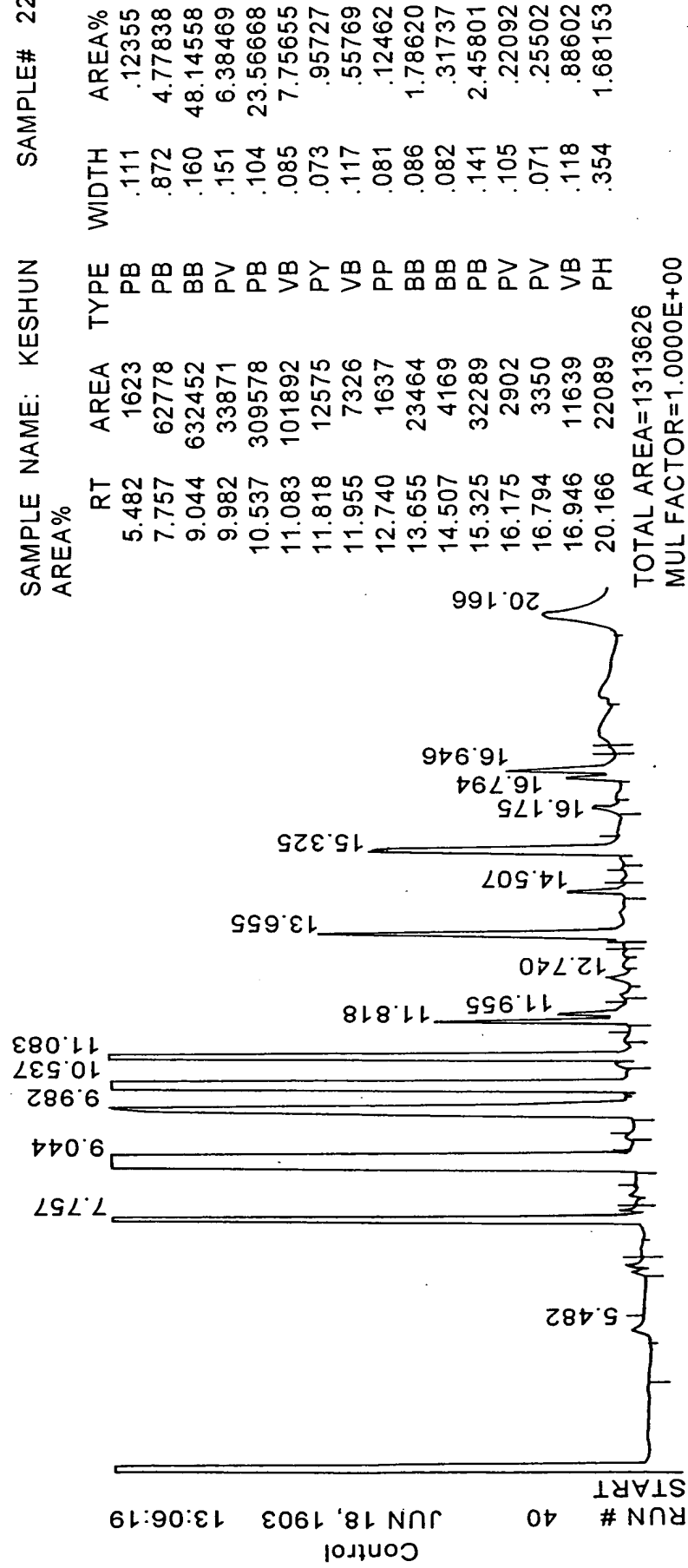


Figure 5B